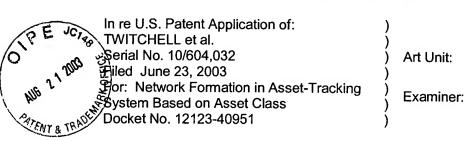
ONOZ 1 Z 9/N E AUG 2 1 ZOO3 LU	U.S. Pater	nt and Trademark Office; U.S. DEPARTMENT OF COMMERCE on of information unless it displays a valid QMB control number.
TRANSMITTAL FORM (to be used for all correspondence after initial formal)	Application Number Filing Date First Named Inventor Art Unit	10/604,032 06/23/2003 TWITCHELL et al.
Total Number of Pages in This Submission	Examiner Name Attorney Docket Number ENCLOSURES (Check all that	12123-40951
Fee Transmittal Form Fee Attached Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Addre Terminal Disclaimer Request for Refund CD, Number of CD(s) Remarks	After Allowance Communication to a Technology Center (TC) Appeal Communication to Board of Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information
Firm or Individual Signature Chad D. TILLMAN [38,634] MORRIS, MANNING & MA August 18, 2003	RTIN, LLP RTIFICATE OF TRANSMISSION simile transmitted to the USPTO or deposited with ioner for Patents, Washington, DC 20231 on this	/MAILING
Signature Clarke	th Huberser	Date 08/18/2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.



Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

In compliance with the Applicant's duty of disclosure under 37 CFR §1.56, Applicant brings the attached document or documents cited on the attached form PTO/SB/08 to the attention of the U.S. Patent and Trademark Office in accordance with the provisions of 37 CFR §1.97-98. Each reference listed on the attached forms can be found in parent US patent application serial no. 09/681,282, which was filed on March 13, 2001.

Nothing herein—including the submission of the documents themselves, whether in this or any other filing—constitutes an admission by Applicant that any of the documents is prior art with respect to the present invention, or a waiver of any rights of Applicant. Indeed, while each citation includes a date, it should be understood that, whether expressly stated or not, the date specified in the citation is a date as alleged by the document or otherwise, and Applicant neither admits nor denies the correctness of the specified date at this time. Moreover, with regard to non-patent documents, Applicant neither admits nor denies that each document submitted is, in fact, a "publication" within the meaning of 35 U.S.C. §102.

Respectfully submitted.

Chad D. Tillman U.S. Reg. No. 38,634

MORRIS, MANNING & MARTIN, L.L.P.

6000 Fairview Road

Suite 1125

Telephone (704) 554-7070

Fax (704) 556-9554

PTO/SB/08A (04-03)

AUG 2 1 2003 Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act ired to respond to a collection of information unless it contains a valid OMB control number. 95, no persons are

Substitute for form 1449/PTO

TRADEM!

Application Number 10/604,032 Filing Date 06/23/2003 First Named Inventor **TWITCHELL** Art Unit

STATEMENT BY APPLICANT

(Use as many sheets as necessary)

INFORMATION DISCLOSURE

of 2 Sheet

Examiner Name Attorney Docket Number 12123-40951

Complete if Known

				DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 5,040,238	08/13/1991	Comroe et al.	Ng-re-rypes
	2	^{US-} 5,117,501	05/26/1992	Childress et al.	
	3	^{US-} 5,129,096	07/07/1992	Burns	
	4	^{US-} 5,295,154	03/15/1994	Meier et al.	
	5	^{US-} 5,331,637	07/19/1994	Francis et al.	
	6	^{US-} 5,369,784	11/29/1994	Nelson	
	7	^{US-} 5,425,051	06/13/1995	Mahany	
	8	^{US-} 5,442,758	08/15/1995	Slingwine et al.	
	9	^{US-} 5,511,232	04/23/1996	O'Dea et al.	
	10	^{US-} 5,604,892	02/18/1997	Nuttall et al.	
	11	^{US-} 5,652,751	07/29/1997	Sharony	
	12	^{US-} 5,682,379	10/28/1997	Mahany et al.	
	13	^{US-} 5,761,195	06/02/1998	Lu et al.	
	14	^{US-} 5,890,054	03/30/1999	Logsdon et al.	
	15	^{US-} 5,907,491	05/25/1999	Canada et al.	
	16	^{US-} 5,917,423	06/19/1999	Duvall	
	17	^{US-} 5,950,124	09/07/1999	Trompower et al.	
	18	^{US-} 5,974,236	10/26/1999	Sherman	-
	19	^{US-} 6,005,884	12/21/1999	Cook et al.	

		FORE	IGN PATENT DOCU	MENTS			
Examiner Cite Initials* No.1			Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ^{3 -} Number ^{4 -} Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Oned Bocument	Or Relevant Figures Appear	די	
						L	
						┝	
						┡	

Examiner	Date	
Signature		
J.ga.a.	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

PTO/SB/08A (04-03)

AUG 2 1 2003 5

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE spond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to

Substitute for form 1449/PTO

TRADEMARY TRADEMARY

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 24

Complete it Known		
Application Number	10/604,032	* *
Filing Date	June 23, 2003	
First Named Inventor	TWITCHELL	
Art Unit		
Examiner Name		
Attorney Docket Number	12123-40951	

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	20	US- 6,006,100	12/21/1999	Koenck et al.	J
	21	^{US-} 6,091,724	07/18/2000	Chandra et al.	
***	22	^{US-} 6,097,707	08/01/2000	Hodzic et al.	
	23	^{US-} 6,125,306	09/26/2000	Shimada et al.	
	24	^{US-} 6,127,976	10/03/2000	Boyd et al.	
	25	^{US-} 6,134,587	10/17/2000	Okanoue	
	26	^{US-} 6,201,974	03/13/2001	Lietsalmi et al.	
	27	^{US-} 6,313,745	11/06/2001	Suzuki	
	28	^{US-} 6,405,102	06/11/2002	Swartz et al.	
	29	^{US-} 6,418,299	07/09/2002	Ramanathan	
		US-			
		US-			
		US-			
		US-	,		
		US-			1

		Publication Name of Patentee or Pages, Colum		Pages, Columns, Lines, Where Relevant Passages		
		Country Code ³ "Number ⁴ "Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY		Or Relevant Figures Appear	T
	Α	WO 00/68907	11/16/2000	Werb et al.		
						L
						L
						L

Examiner	· · · · · · · · · · · · · · · · · · ·	Date	
Signature		Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

AUG 2 1 2003

PTO/SB/08B (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
J.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995 to persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complet if Known

Substitu	ite for form 1449/PTO		W.	1.084	Complet in Known	1
			TRADE	Applicati n Number	10/604,032	
INF	ORMATION	DIS	CLOSURE	Filing Dat	June 23, 2003	
STA	ATEMENT E	BY A	PPLICANT	First Named Inventor	TWITCHELL	
	(Use as many she	oto ao a	acceptant.	Art Unit		
	(Use as many sne	ets as 11	ecessary)	Examiner Name		
Sheet	2	of	21	Attorney Docket Number	12123-40951	

Examiner	Cite	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	
Initials*	No.1	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	Publication No. US 2001/0000019 A1, Publication Date, March 15, 2001, Bowers et al., Class 340	
	2	Ram Ramanathan et al., Hierarchically-Organized, Multihop Mobile Wireless Networks for Quality-of-Service Support, pp. 1-35, 1998	
	3	Guangyu Pei et al., Mobility Management in Hierarchical Multi-hop Mobile Wireless Networks, 6 pages 1999	
,	4	http://www/iprg.nokia.com/charliep/txt/manet/term.txt, Mobile Ad Hoc Networking Terminology, C. Perkins, November 17, 1998, visited 11/13/2000	
	5	Daniel Lihui Gu et al., C-ICAMA, A Centralized Intelligent Channel Assigned Multiple Access for Multi-Layer Ad-Hoc Wireless Networks with UAVs, 6 pages, 2000	
	6	Daniel Lihui Gu et al., Hierarchical Routing for Multi-Layer Ad-Hoc Wireless Networks with UAV's, 5 pages, 2000	
	7	Atsushi Iwata, et al., Scalable Routing Strategies for Ad Hoc Wireless Networks, 1999, pp. 1-26	
	8	http://www.cs.ucla.edu/NRL/wireless/PAPER/draft-ietf-manet-admrp-02.txt, On-Demand Multicast Routing Protocol (ODMRP) for Ad Hoc Networks, January 2000, visited 11/13/00	
	9	Guangyu Pei, et al., A Wireless Hierarchial Routing Protocol with Group Mobility, 1999, 5 pages	
	10	http://sameh.html + 22link + allocation %22 +(network +or +networks) +)wireless+or+ mobile)&hl, Self-Configuration of a Wireless ad-hoc Network, visited 11/13/2000	

Examiner	 Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

PTO/SB/08B (04-03) Approved for use through 04/30/2003. OMB 0651-0031

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are resolved to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known
	Application Number	10/604,032
INFORMATION DISCLOSURE	Filing Date	June 23, 2003
STATEMENT BY APPLICANT	First Named Inventor	TWITCHELL
(Use as many sheets as necessary)	Art Unit	
(cee to many choose to necessary)	Examiner Name	
Sheet 2 4 of 2 4	Attorney Docket Number	12123-40951

	Lou	NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹			
	11	J.J. Gardia-Luna-Aceves et al., Source-Tree Routing in Wireless Networks, 1999, 10 pages		
	12	Jean-Pierre Hubaus ex al., Toward Self-Organized Mobile Ad Hoc Networks: The Terminodes Project, IEEE Communications Magazine, January 2001		
	13	Jaap Haartsen et al., Bluetooth: Vision, Goals, and Architecture, Mobile Computering & Communications Review, Vol. 1, No 2, 1998		
	14	Jaap Haartsen, Bluetooth The Universal Radio Interface for Ad Hoc, Wireless Connectivity, Ericsson Review, No. 3, pp. 110-117, 1998		
	15	Ezio Valdevit, Cascading in Fibra Channel: How to Build a Multi-Switch Fabric, pp. 1-12.		

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.